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Supplement of

Relationship between N : P : Si ratio and phytoplankton community composition in a tropical estuarine mangrove ecosystem

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64 Stn3_Mar13_Clone49
 Uncultured phototrophic eukaryote Stn3 Mar11 Clone8 from Mooriganga estuary, Sundarbans (AHA61083)
 Stn3_Mar13_Clone25
 Uncultured microorganism S14-51 from Daya Bay, China (AHW97997)
 Uncultured phytoplankton Stn2 Mar11 28 from Chemaguri creek, Sundarbans (AGU13553)
 Uncultured microorganism N709R 945 from northern South China Sea (AGU46313)
 Uncultured phototrophic eukaryote Stn1 Mar11 Clone6 from Chemaguri creek, Sundarbans (AHA61008)
 Uncultured phytoplankton Stn2 Mar11 29 from Chemaguri creek, Sundarbans (AGU13554)
 Uncultured microorganism NA1R 65 from northern South China Sea (AGU46395)
 Uncultured microorganism N501R 942 from northern South China Sea (AGU45671)
 Uncultured microorganism NA1R 96 from northern South China Sea (AGU46425)
 Uncultured phototrophic eukaryote Stn4 Mar11 Clone11 from Chemaguri creek, Sundarbans (AHA61135)
 63 Uncultured phototrophic eukaryote Stn4 Mar11 Clone11 from Chemaguri creek, Sundarbans (AHA61135)
 Uncultured microorganism NA1R 08 from northern South China Sea (AGU46340)
 Uncultured phototrophic eukaryote Stn1 Mar11 Clone5 from Chemaguri creek, Sundarbans (AHA61007)
Minutocellus polymorphus CCMP497 (AEB91188)
 Uncultured phytoplankton Stn2 Mar11 24 from Chemaguri creek, Sundarbans (AGU13549)
 Uncultured phytoplankton Stn2 Mar11 6 from Chemaguri creek, Sundarbans (AGU13533)
 Uncultured microorganism N701R 981 from northern South China Sea (AGU45890)
Minutocellus sp. CCMP1701 (ACJ74416)
 Uncultured phototrophic eukaryote Stn2 Mar11 Clone40 from Chemaguri creek, Sundarbans (AHA61065)
 65 Uncultured microorganism N709R 918 from northern South China Sea (AGU46286)
 Uncultured phototrophic eukaryote Stn1 Dec10 Clone17 from Chemaguri creek, Sundarbans (AHA60927)
 Uncultured phototrophic eukaryote Stn1 Apr10 Clone49 from Chemaguri creek, Sundarbans (AHA60757)
 Stn3_Oct12_Clone32
 Uncultured phototrophic eukaryote Stn2 Mar11 Clone38 from Chemaguri creek, Sundarbans (AHA61063)
 Stn3_Oct12_Clone33
 Uncultured microorganism NA1R 04 from northern South China Sea (AGU46336)
 Stn3_Mar13_Clone33
 Stn3_Mar13_Clone46
 Stn3_Mar13_Clone37
 Uncultured phototrophic eukaryote Stn3 Mar11 Clone38 from Mooriganga estuary, Sundarbans (AHA61113)
 Stn3_Oct12_Clone70
Leyanella arenaria R23 (AEP69260)
 Uncultured phototrophic eukaryote Stn1 Dec10 Clone16 from Chemaguri creek, Sundarbans (AHA60926)
 Uncultured marine microorganism FormID 78 from Gulf of Mexico, West Florida Shelf (ACS71707)
 Uncultured microorganism N101R 961 from northern South China Sea (AGU46322)
 Uncultured phytoplankton Stn2 Dec10 11 from Chemaguri creek, Sundarbans (AGU13526)
Papiliocellulus simplex CS431 (AEB91250)
 Uncultured phototrophic eukaryote Stn1 Mar11 Clone28 from Chemaguri creek, Sundarbans (AHA61030)
 Uncultured phototrophic eukaryote Stn1 Dec10 Clone13 from Chemaguri creek, Sundarbans (AHA60923)
 Uncultured phytoplankton Stn3 Mar11 Clone21 from Mooriganga estuary, Sundarbans (AHA61096)
 Uncultured phototrophic eukaryote Stn1 Mar11 Clone20 from Chemaguri creek, Sundarbans (AHA61022)
 Uncultured phototrophic eukaryote Stn1 Apr10 Clone4 from Chemaguri creek, Sundarbans (AHA60712)
 64 Uncultured phototrophic eukaryote Stn3 Mar11 Clone45 from Mooriganga estuary Sundarbans (AHA61120)
Minutocellus polymorphus isolate ECT3920 (AGN91059)
 Uncultured phototrophic eukaryote Stn1 Apr10 Clone8 from Chemaguri creek, Sundarbans (AHA60716)
 64 **Arcocellulus mammifer** CCMP132 (AEB91189)
 Uncultured microorganism NA1R 23 from northern South China Sea (AGU46355)
 Uncultured eukaryote B3Clone20 from coastal water of Monterey Bay, California (ADB88972)
 Stn3_Mar13_Clone45
 Uncultured phytoplankton Stn2 Dec10 12 from Chemaguri creek, Sundarbans (AGU13527)
 Uncultured phototrophic eukaryote Stn4 Mar11 Clone12 from Mooriganga estuary, Sundarbans (AHA61136)
 Stn3_Mar13_Clone13
 Stn3_Oct12_Clone67
 67 Uncultured microorganism S14-81 from Daya Bay, China (AHW98026)
 Uncultured phytoplankton Stn3 Mar11 Clone12 from Mooriganga estuary, Sundarbans (AHA61087)
 66 Uncultured phytoplankton Stn2 Apr10 3 from Chemaguri creek, Sundarbans (AGU13508)
 71 Uncultured phototrophic eukaryote Stn2 Dec10 Clone14 from Chemaguri creek, Sundarbans (AHA60962)
 Uncultured phototrophic eukaryote Stn1 Dec10 Clone4 from Chemaguri creek, Sundarbans (AHA60914)
 98 Stn3_Mar13_Clone15
 Uncultured phototrophic eukaryote Stn1 Dec10 Clone14 from Chemaguri creek, Sundarbans (AHA60924)
Thalassiosira minuscula (ABF60367)
 97 **Cyclotella cryptica** (ACJ74430)
 97 **Cyclotella meneghiniana** (BAL43081)
Thalassiosira gessneri (ABF60343)
Roundia cardiophora (AGX25178)
Thalassiosira weissflogii (AEX92023)
 Uncultured phototrophic eukaryote Stn2 Dec10 Clone46 from Chemaguri creek, Sundarbans (AHA60994)
Planktoniella sol (AEB91182)
 64 Stn3_Oct12_Clone71
 Stn3_Mar13_Clone03
 Stn3_Mar13_Clone04
 Uncultured microorganism S14-21 from Daya Bay, China (AHW97968)
Thalassiosira minima (ABF60355)
 Uncultured phytoplankton Stn2 Apr10 2 from Chemaguri creek, Sundarbans (AGU13507)
Discostella stelligera (ABF60389)
 Stn3_Oct12_Clone42
 Uncultured phototrophic eukaryote Stn2 Apr10 Clone54 from Chemaguri creek, Sundarbans (AHA60809)
 Uncultured microorganism SB-23 from Daya Bay, China (AHW97794)
Thalassiosira nodulolineata (ABF60345)
 Stn3_Mar13_Clone14
 62 **Discostella** sp. RG 2012 (AFO84266)
Peridiniopsis penardii (BAF76881)
Thalassiosira profunda (AGX25179)
 Uncultured phototrophic eukaryote Stn4 Apr10 Clone42 from Mooriganga estuary, Sundarbans (AHA60901)
Cyclostephanos tholiformis (ABF60384)
Peridiniopsis cf. kevei (BAF76880)
Discostella sp. L435 (ABF60388)
Thalassiosira (YP 874498)
Thalassiosira pseudonana (ABF60359)
Skeletonema potamos (AHB33629)
Skeletonema subsalsum (ABF60378)
Thalassiosira oceanica (ABF60357)
Thalassiosira oestrupii var. **venrickae** (ABF60349)
Cyclotella bodanica (ABF60387)
Thalassiosira punctigera (AGQ04195)
Skeletonema costatum (AEN19678)
Thalassiosira aestivalis (ABF60362)
 63 **Detonula pumila** (ABF60372)
Bacterosira bathyomphala (ABF60374)
Stephanodiscus hantzschii (AFO84271)
Cyclostephanos dubius (AEB91195)
 Uncultured diatom R71 from North Sea surface water (AHA98320)
Thalassiosira nordenskiöldii (ABF60366)
Detonula confervacea (AEB91237)
Thalassiosira antarctica (ABF60353)
Stephanodiscus sp. FHCT11 (ABF60383)
 64 **Cyclostephanos invisitatus** (ABF60385)
Thalassionema frauenfeldii (AGZ17067)
 91 **Thalassionema** sp. 1 CSL 2013 (AGZ17068)
 87 Uncultured phototrophic eukaryote Stn3 Apr10 Clone16 from Mooriganga estuary, Sundarbans (AHA60825)
 75 Uncultured microorganism SB-30 from Daya Bay, China (AHW97801)
Skeletonema menziesii (ABF60379)
Lithodermium undulatum (AEB91179)
Lithodermium intricatum (AEB91298)
 Stn3_Mar13_Clone10
 Stn3_Oct12_Clone40
Amphora laevisima (AHX02810)
 91 **Amphora semperparalum** (AHX02817)
Campylodiscus thuretii (BAL43109)
Amphora hyalina (AHX02808)
Amphora subtropica (AHX02821)
Amphora montana TCC477 (AGG86629)
 Stn3_Mar13_Clone19
 Stn3_Aug13_Clone29
 Stn3_Oct12_Clone75
 Stn3_Oct12_Clone74
 Stn3_Oct12_Clone65
 Stn3_Oct12_Clone48
 Stn3_Oct12_Clone57
Amphora coffaeiformis C107 (ACS92829)
Halamphora veneta (AHX02828)
Amphora coffaeiformis UTEX FD75 (AEB91222)
Halamphora coffaeiformis (AHX02824)
 Stn3_Oct12_Clone50
 Stn3_Oct12_Clone25
 Stn3_Oct12_Clone05
 Stn3_Oct12_Clone06
 Stn3_Oct12_Clone16
 Stn3_Oct12_Clone19
 Stn3_Oct12_Clone22
 Stn3_Oct12_Clone27
 Stn3_Oct12_Clone29
 Stn3_Oct12_Clone51
 Stn3_Oct12_Clone53
 Stn3_Mar13_Clone47
 Stn3_Mar13_Clone69
 Stn3_Mar13_Clone07
 Stn3_Mar13_Clone17
 Stn3_Mar13_Clone18
 Stn3_Mar13_Clone17
Amphora caribaea (AHX02804)
 Stn3_Mar13_Clone38
 Stn3_Mar13_Clone39
 Stn3_Aug13_Clone65
 Stn3_Oct12_Clone14
 Stn3_Mar13_Clone01
 Stn3_Oct12_Clone23
 Stn3_Oct12_Clone46
 Stn3_Mar13_Clone48
 Stn3_Oct12_Clone15
 Stn3_Mar13_Clone09
 Stn3_Oct12_Clone58
 Stn3_Mar13_Clone06
 97 Uncultured phototrophic eukaryote Stn2 Dec10 Clone16 from Chemaguri creek, Sundarbans (AHA60964)
 Uncultured eukaryote B2Clone29 from coastal water of Monterey Bay, California (ADB88949)
 Uncultured eukaryote B2Clone25 from coastal water of Monterey Bay, California (ADB88945)
 Uncultured eukaryote ECApr28 from English Channel, L4 site (ADU55990)
 99 Uncultured eukaryote M8Aug28 from ocean water of Monterey Bay, California (ADB89002)
 Uncultured eukaryote ECApr56 from English Channel, L4 site (ADU56016)
 Uncultured eukaryote B2Clone26 from coastal water of Monterey Bay, California (ADB88946)
 Uncultured eukaryote ECApr47 from English Channel, L4 site (ADU56007)
 Uncultured eukaryote B2Clone22 from coastal water of Monterey Bay, California (ADB88942)
 Uncultured phototrophic eukaryote Stn1 Dec10 Clone1 from Chemaguri creek, Sundarbans (AHA60911)
 Stn3_Mar13_Clone64
 Uncultured eukaryote B1Clone20 from coastal water of Monterey Bay, California (ADB88913)
Phaeocystis globosa from English Channel (AFV93448)
Phaeocystis globosa from Pacific Ocean (AFV93451)
Phaeocystis globosa PCC 64 (AET10440)
 Uncultured eukaryote ECApr29 from English Channel, L4 site (ADU55991)
 Uncultured eukaryote B1Clone15 from coastal water of Monterey Bay, California (ADB88908)
Phaeocystis pouchetii (BAF80671)
 Uncultured eukaryote ECApr5 from English Channel, L4 site (ADU55967)
 Uncultured phytoplankton Stn2 Dec10 8 from Chemaguri creek, Sundarbans (AGU13523)
 Uncultured microorganism N701R 973 from northern South China Sea (AGU45885)
 Uncultured eukaryote ECApr9 from English Channel, L4 site (ADU55971)
 Uncultured microorganism S7-55 from Daya Bay, China (AHW97736)
 Uncultured microorganism N414R 906 from northern South China Sea (AGU44940)
 Uncultured microorganism N414R 951 from northern South China Sea (AGU44984)
 Uncultured phytoplankton Stn1 Dec10 Clone2 from Chemaguri creek, Sundarbans (AHA60912)
 68 Uncultured microorganism N501R 993 from northern South China Sea (AGU45720)
 Uncultured microorganism N414R 923 from northern South China Sea (AGU44956)
 Uncultured microorganism S7-28 from Daya Bay, China (AHW97710)
 Uncultured microorganism N414R 930 from northern South China Sea (AGU44963)
 Uncultured microorganism N701R 963 from northern South China Sea (AGU45877)
 Uncultured phototrophic eukaryote Stn1 Mar11 Clone19 from Chemaguri creek, Sundarbans (AHA61021)
 Uncultured phototrophic eukaryote Stn1 Mar11 Clone50 from Chemaguri creek, Sundarbans (AHA61052)
 Uncultured microorganism N501R 911 from northern South China Sea (AGU45641)
Teleaulax sp. TUC-2 (BAD42424)
Dinophysis fortii (BAD4428)
 Uncultured microorganism N102R 952 from northern South China Sea (AGW05403)
 Uncultured microorganism N414R 922 from northern South China Sea (AGU44955)
 Uncultured eukaryote MBJul19 from ocean water of Monterey Bay, California (ADB89043)
 Uncultured phototrophic eukaryote Stn3 Mar11 Clone1 from Chemaguri creek, Sundarbans (AHA61076)
 Uncultured phototrophic eukaryote Stn1 Mar11 Clone29 from Chemaguri creek, Sundarbans (AHA61031)
 Uncultured microorganism N414R 933 from northern South China Sea (AGU44966)
 Uncultured eukaryote ECApr51 from English Channel, L4 site (ADU56011)
 Uncultured phototrophic eukaryote Stn2 Dec10 Clone30 from Chemaguri creek, Sundarbans (AHA60978)
 Stn3_Mar13_Clone08
 Stn3_Mar13_Clone11
 Stn3_Aug13_Clone49
 Stn3_Aug13_Clone41
 Uncultured phototrophic eukaryote Stn1 Dec10 Clone6 from Chemaguri creek, Sundarbans (AHA60916)
 Uncultured phototrophic eukaryote Stn4 Apr10 Clone5 from Mooriganga estuary, Sundarbans (AHA60864)
 Uncultured microorganism N101R 970 from northern South China Sea (AGW05330)
 Uncultured microorganism N101R 907 from northern South China Sea (AGW05271)
 69 Uncultured microorganism N101R 923 from northern South China Sea (AGW05287)
 Stn3_Mar13_Clone31
 Stn3_Mar13_Clone05
 5 Stn3_Mar13_Clone24
 Uncultured phytoplankton Stn2 Dec10 1 from Chemaguri creek, Sundarbans (AGU13516)
 Uncultured microorganism N701R 992 from northern South China Sea (AGU45901)
 Uncultured eukaryote B2Clone9 from coastal water of Monterey Bay, California (ADB88929)
 Uncultured microorganism N701R 924 from northern South China Sea (AGW05665)
 Uncultured microorganism N201R 90 from northern South China Sea (AGW05685)
 Stn3_Oct12_Clone43
 Uncultured phototrophic eukaryote Stn4 Apr10 Clone36 from Mooriganga estuary, Sundarbans (AHA60895)
 64 Uncultured phototrophic eukaryote Stn4 Apr10 Clone32 from Mooriganga estuary, Sundarbans (AHA60891)
 Uncultured phototrophic eukaryote Stn4 Apr10 Clone32 from Mooriganga estuary, Sundarbans (AHA60891)
 Uncultured microorganism N701R 915 from northern South China Sea (AGU45843)
 Uncultured phototrophic eukaryote Stn1 Mar11 Clone8 from Chemaguri creek, Sundarbans (AHA61010)
 Uncultured microorganism N701R 965 from northern South China Sea (AGU45879)
 61 Uncultured microorganism N203R 977 from northern South China Sea (AGW05747)
 Stn3_Oct12_Clone69
Lingulodinium polyedrum (AAC37234)

Cymatosirales

Thalassiosirales

Naviculales + Thalassiosiphysales

Haptophyceae

Cryptophyceae

